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APPLICATION NO.	F	ILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
10/643,199		08/18/2003	Clarence D. Deal	2750-001	3662	
23547	7590	09/08/2004		EXAM	EXAMINER	
MARY M I 1300 E. NIN	•		LE, DA	LE, DANG D		
SUITE 4		321	ART UNIT	PAPER NUMBER		
EDMOND,	OK 730	34-5760	2834			
				DATE MAILED: 09/08/2004		

Please find below and/or attached an Office communication concerning this application or proceeding.

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	Application No.	Applicant(s)					
	10/643,199	DEAL, CLARENCE D.					
Office Action Summary	Examiner	Art Unit					
	Dang D Le	2834					
The MAILING DATE of this communication appears on the cover sheet with the correspondence address Period for Reply							
A SHORTENED STATUTORY PERIOD FOR REPL THE MAILING DATE OF THIS COMMUNICATION. - Extensions of time may be available under the provisions of 37 CFR 1.1 after SIX (6) MONTHS from the mailing date of this communication. - If the period for reply specified above is less than thirty (30) days, a repl If NO period for reply is specified above, the maximum statutory period Failure to reply within the set or extended period for reply will, by statute Any reply received by the Office later than three months after the mailin earned patent term adjustment. See 37 CFR 1.704(b).	136(a). In no event, however, may a reply be tir ly within the statutory minimum of thirty (30) day will apply and will expire SIX (6) MONTHS from e, cause the application to become ABANDONE	nely filed rs will be considered timely. the mailing date of this communication. ED (35 U.S.C. § 133).					
Status							
1) Responsive to communication(s) filed on 18 J	une 2004.						
2a) ☐ This action is FINAL . 2b) ☐ This	s action is non-final.						
,—	Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under <i>Ex parte Quayle</i> , 1935 C.D. 11, 453 O.G. 213.						
Disposition of Claims							
4a) Of the above claim(s) <u>91-94</u> is/are withdraw 5) ☐ Claim(s) <u>1-90</u> is/are allowed. 6) ☐ Claim(s) is/are rejected. 7) ☐ Claim(s) is/are objected to.	Claim(s) 1-94 is/are pending in the application. 4a) Of the above claim(s) 91-94 is/are withdrawn from consideration. Claim(s) 1-90 is/are allowed. Claim(s) is/are rejected. Claim(s) is/are objected to.						
Application Papers							
9) ☐ The specification is objected to by the Examine 10) ☐ The drawing(s) filed on 18 August 2003 is/are: Applicant may not request that any objection to the Replacement drawing sheet(s) including the correct.	a)⊠ accepted or b)□ objected drawing(s) be held in abeyance. Se	e 37 CFR 1.85(a).					
11)☐ The oath or declaration is objected to by the E	xaminer. Note the attached Office	Action or form PTO-152.					
Priority under 35 U.S.C. § 119							
 12) Acknowledgment is made of a claim for foreign a) All b) Some * c) None of: 1. Certified copies of the priority documents 2. Certified copies of the priority documents 3. Copies of the certified copies of the priority documents * See the attached detailed Office action for a list 	ts have been received. ts have been received in Applicat prity documents have been receive tu (PCT Rule 17.2(a)).	ion No ed in this National Stage					
Attachment(s) 1) Notice of References Cited (PTO-892)	4) 🔲 Interview Summary	r (PTO-413)					
 2) Notice of Draftsperson's Patent Drawing Review (PTO-948) 3) Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) Paper No(s)/Mail Date 11/14/03. 	Paper No(s)/Mail D						

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Art Unit: 2834

DETAILED ACTION

Election/Restrictions

1. Applicant's election with traverse of claims 2-7, 14, 15, 17, 18, 27-35, 47-52, 59, 60 and 72-80 in the reply filed on 6/18/04 is acknowledged. The traversal is on the ground(s) that "the claims in this application contain no more than reasonable number of species". This is not found persuasive because these species are distinct for the reasons given in the last office action and the search required for one species is not required for the others.

The requirement is still deemed proper and is therefore made FINAL.

However, independent claims 1 and 46 are found allowable, the dependent claims are also allowed except for claims 91-94.

2. Claims 1-90 are directed to an allowable product. Pursuant to the procedures set forth in the Official Gazette notice dated March 26, 1996 (1184 O.G. 86), claims 8-13, 16, 19-26, 36-46, 53-58, 61-71 and 81-90 directed to different species, withdrawn from consideration as a result of a restriction requirement, are subject to being rejoined. Species claims 8-13, 16, 19-26, 36-46, 53-58, 61-71 and 81-90 are hereby rejoined and fully examined for patentability under 37 CFR 1.104. Claims 91-94, not directed to the process of making or using the patentable product, will not be rejoined.

Allowable Subject Matter

3. Claims 1-90 are allowed.

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4. The following is a statement of reasons for the indication of allowable subject matter: the record of prior art does not show an electric motor comprising a plurality of electromagnet groups, each group comprising at least one electromagnet set, wherein each electromagnet set comprises a plurality of electromagnet units, wherein each of the electromagnet units comprises at least one coil around a core having two poles; a plurality of permanent magnets supported on a moving member; a drive circuit comprising a sequencing circuit adapted to sequentially activate each of the plurality of electromagnet units; a power control circuit adapted to control the power generated by the motor by activating selected electromagnet groups; the power control circuit comprising a power selector having a plurality of power mode outputs; a cycling circuit having a plurality of cycling outputs adapted to vary which of the plurality of electromagnet groups are activated by the sequencing circuit when the motor is operating in the at least one non-maximum power mode without varying the number of

Conclusion

- 5. This application is in condition for allowance except for the following formal matters:
 - In the Abstract, replace "comprises" with includes at line 2.
 - Cancel non-elected claims 91-94.

groups being activated as claimed in claim 1 and 46.

Prosecution on the merits is closed in accordance with the practice under *Ex* parte Quayle, 1935 C.D. 11, 453 O.G. 213.

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A shortened statutory period for reply to this action is set to expire **TWO**MONTHS from the mailing date of this letter.

Information on How to Contact USPTO

6. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Dang D Le whose telephone number is (571) 272-2027. The examiner can normally be reached on Monday through Friday.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Darren Schuberg can be reached on (571) 272-2044. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

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